

BBBBBBBBBBBB		AAAAAAA		SSSSSSSSSS		RRRRRRRRRR		TTTTTTTTTT		LLL
BBBBBBBBBBBB		AAAAAAA		SSSSSSSSSS		RRRRRRRRRR		TTTTTTTTTT		LLL
BBBBBBBBBBBB		AAAAAAA		SSSSSSSSSS		RRRRRRRRRR		TTTTTTTTTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRRRRRRRRR		TTT		LLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRRRRRRRRR		TTT		LLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRRRRRRRRR		TTT		LLL
BBB	BBB	AAAAAAAAAAAA			SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAAAAAAAAAAA			SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAAAAAAAAAAA			SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA		SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA		SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA		SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA		SSS	RRR	RRR	TTT		LLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRR	RRR	TTT		LLLLLLLLLLLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRR	RRR	TTT		LLLLLLLLLLLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRR	RRR	TTT		LLLLLLLLLLLL

BBBBBBBB	BBBBBBBB	PPPPPPPP	PPPPPPPP	AAAAAA	AAAAAA	XX	XX	RRRRRRRR	BBBBBBBB	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF
BBBBBBBB	BBBBBBBB	PPPPPPPP	PPPPPPPP	AAAAAA	AAAAAA	XX	XX	RRRRRRRR	BBBBBBBB	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF
BB	BB	PP	PP	AA	AA	XX	XX	RR	BB	DD	EE	FF
BB	BB	PP	PP	AA	AA	XX	XX	RR	BB	DD	EE	FF
BB	BB	PP	PP	AA	AA	XX	XX	RR	BB	DD	EE	FF
BBBBBBBB	BBBBBBBB	PPPPPPPP	PPPPPPPP	AAAAAA	AAAAAA	XX	XX	RRRRRRRR	BBBBBBBB	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF
BBBBBBBB	BBBBBBBB	PPPPPPPP	PPPPPPPP	AAAAAA	AAAAAA	XX	XX	RRRRRRRR	BBBBBBBB	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF
BB	BB	PP	PP	AAAAAA	AAAAAA	XX	XX	RR	BB	DD	EE	FF
BB	BB	PP	PP	AAAAAA	AAAAAA	XX	XX	RR	BB	DD	EE	FF
BB	BB	PP	PP	AA	AA	XX	XX	RR	BB	DD	EE	FF
BB	BB	PP	PP	AA	AA	XX	XX	RR	BB	DD	EE	FF
BBBBBBBB	BBBBBBBB	PP	PP	AA	AA	XX	XX	RR	BB	DD	EE	FF
BBBBBBBB	BBBBBBBB	PP	PP	AA	AA	XX	XX	RR	BB	DD	EE	FF

....
....
....
....

RRRRRRRR	EEEEEEEEEE	QQQQQQ
RRRRRRRR	EEEEEEEEEE	QQQQQQ
RR	EE	QQ
RR	EE	QQ
RR	EE	QQ
RR	EE	QQ
RRRRRRRR	EEEEEEEEEE	QQ
RRRRRRRR	EEEEEEEEEE	QQ
RR	EE	QQ
RR	EE	QQ
RR	EE	QQ
RR	EE	QQ
RR	EEEEEEEEEE	QQQQ
RR	EEEEEEEEEE	QQQQ

* This file, BPAXRBDEF.REQ, defines the XRB.

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AUTHOR: Jeremy Barker, CREATION DATE: 06-Jan-79

MODIFIED BY:

VERSION X01

014 Jeremy Barker, 13-Mar-79
- Add fields used by .POSTN call

143 Jeremy Barker, 10-Apr-79
- Define xrb\$w_timeout as signed

200 Jim Ibbett, 26-Apr-79
- Add bitfields for flagword 2 for logical name support

219 Jeremy Barker, 24-May-79
- Define fields used by .SPEC call

227 Jim Ibbett, 5-Jun-79
- add bit definitions for ronly mode

270 Jim Ibbett, 28-Jun-79
- add bit definitions for flagword 2 bit 11

264 Jeremy Barker, 02-Jul-79
- define .POSTN return fields as WORD, not BYTE

Viveka Eriksson, 07-Sept-79
 317 - Define fields used by .PEEK call
 1-318 - Change name to BPAXRBDEF.REQ and remove defense against redundant
 requires of this file. JBS
 1-319 - Add copyright notice. SBL 11-Mar-1980

 xrb definition

```
FIELD xrb$fields =
SET
xrb$w_buflen      = [ 0, W ]      buffer length
xrb$w_linesize    = [ 0, W ]      line length + 1 for .POSTN      ! M 264
xrb$w_spec_fun    = [ 0, W ]      function code for .SPEC          ! A 219
xrb$w_peek_arg    = [ 0, W ]      Peek argument                    ! A 317
xrb$w_time_1      = [ 2, W ]      Sytem time part I for .PEEK      ! A 317
xrb$w_bytcnt      = [ 2, W ]      byte count
xrb$w_carrposn    = [ 2, W ]      carriage position for .POSTN      ! M 264
xrb$w_mt_param    = [ 2, W ]      magtape .SPEC parameter          ! A 219
xrb$w_mt_value    = [ 2, W ]      magtape .SPEC result value       ! A 219
xrb$w_time_2      = [ 4, W ]      System time part II for .PEEK    ! A 317
xrb$w_bufadr      = [ 4, W ]      buffer address
xrb$b_channel     = [ 6, B ]      BASIC channel number * 2
xrb$v_channel     = [ 6, V ]      BASIC channel number              ! A 219
xrb$b_blkhi       = [ 7, B ]      MSB of block number
xrb$b_hndindx     = [ 7, B ]      handler index for .SPEC          ! A 219
xrb$w_blklo       = [ 8, W ]      LSB of block number
xrb$w_flag2       = [ 8, W ]      Flagword 2 for .FSS
xrb$v_name_seen   = [ 8, V ]      Flagword 2 bitfield definitions
xrb$v_dot_seen    = [ 8, V ]      ...
xrb$v_ext_seen    = [ 8, V ]      ...
xrb$v_ppn_seen    = [ 8, V ]      ...
xrb$v_prot_seen   = [ 8, V ]      ...
xrb$v_def_prot    = [ 8, V ]      ...
xrb$v_coln_seen   = [ 8, V ]      ...
xrb$v_dev_seen    = [ 8, V ]      ...
xrb$v_log_name    = [ 8, V ]      ...
xrb$v_log_notr    = [ 8, V ]      ...
xrb$w_timeout     = [ 10, W ]     terminal input timeout           ! M 143
xrb$w_flag1       = [ 10, W ]     Flagword 1 for .FSS
xrb$v_cl_seen     = [ 10, V ]     Flagword 1 bitfield definitions
xrb$v_moro_seen   = [ 10, V ]     ...
xrb$v_fisi_seen   = [ 10, V ]     ...
xrb$v_pos_seen    = [ 10, V ]     ...
xrb$v_mo_ronly    = [ 10, V ]     ...
xrb$v_name_1      = [ 10, V ]     ...
xrb$v_dot_1       = [ 10, V ]     ...
xrb$v_ppn_1       = [ 10, V ]     ...
xrb$v_prot_1      = [ 10, V ]     ...
xrb$v_coln_1      = [ 10, V ]     ...
xrb$v_log_1       = [ 10, V ]     ...
xrb$v_nfrep       = [ 10, V ]     ...
xrb$w_opmod       = [ 12, W ]     operation modifier                ! A 200
! A 200
```

TES;

LITERAL

xb\$ name_seen	= M_(0),	! Flagword 2 bitmask definitions	
xb\$ dot_seen	= M_(3),	...	
xb\$ ext_seen	= M_(4),	...	
xb\$ ppn_seen	= M_(7),	...	
xb\$ prot_seen	= M_(10),	...	
xb\$ def_prot	= M_(11),	...	! A270
xb\$ coln_seen	= M_(12),	...	
xb\$ dev_seen	= M_(13),	...	
xb\$ log_name	= M_(14),	...	! A 200
xb\$ log_notr	= M_(15),	...	! A 200
xb\$ cl_seen	= M_(0),	! Flagword 1 bitmask definitions	
xb\$ moro_seen	= M_(1),	...	
xb\$ fisi_seen	= M_(2),	...	
xb\$ pos_seen	= M_(3),	...	
xb\$ mo_only	= M_(7),	...	! A227
xb\$ name_1	= M_(8),	...	
xb\$ dot_1	= M_(9),	...	
xb\$ ppn_1	= M_(10),	...	
xb\$ prot_1	= M_(11),	...	
xb\$ coln_1	= M_(12),	...	
xb\$ log_1	= M_(13),	...	! A 200
xb\$ nfre	= M_(14),	...	! A 200
xb\$k_length	= 14;	! Length of xrb in bytes	

MACRO

\$xrb_def = BLOCK[xb\$k_length, BYTE] FIELD(xb\$fields) % ;

! End of file BPAXRBDEF.REQ

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AH-BT13A-SE
VAX/VMS V4.0

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